WHAT IS CLAIMED IS:

1. An image processing device operable in a plurality
of modes of operation, comprising:
a memory for storing image data of a plurality
frames;

5   state decision controller for determining a state of
said image data stored in said memory for each frame;
a display for displaying an operating state of said
image processing device; and
a display controller for displaying on said display

10   an operable mode of operation of said plurality of modes
of operation according to the state of said image data.

2. The image processing device according to claim 1,
wherein said state decision controller determines a length
of a frame of said image data in a predetermined direction.

3. The image processing device according to claim 1,
wherein said state decision controller determines a frame
size of said image data.

4. An image processing device operable in a plurality
of modes of operation, comprising:
a memory for storing image data of a plurality of

frames;

state decision controller for determining a state of said image data stored in said memory for each frame;

an operation panel for selecting any of said plurality of modes of operation; and

a selection prohibiting controller for prohibiting selecting an inoperable mode of operation of said plurality of modes of operation through said operation panel according to the state of said image data.

5. The image processing device according to claim 4, wherein said state decision controller determines a length of a frame of said image data in a predetermined direction.

6. The image processing device according to claim 4, wherein said state decision controller determines a frame size of said image data.

7. An image forming apparatus operable in a plurality of print modes, comprising:

a memory for storing image data of a plurality of frames;

a printer for reading said image data stored in said memory for each frame and for printing;

state decision controller for determining a state of

said image data stored in said memory for each frame;

a display for displaying an operating state of said

10 image forming apparatus; and

a display controller for displaying on said display

an operable print mode of said plurality of print modes

according to the state of said image data.

8. The image forming apparatus according to claim 7,

wherein said state decision controller determines a length

of a frame of said image data in a predetermined direction.

9. The image forming apparatus according to claim 8,

further comprising a finisher for stapling sheets printed

by said printer, wherein:

said frame-length decision controller determines

5 whether said image data stored in said memory all have a

same frame length in said predetermined direction; and

said display controller displays a staple print mode

on said display when it is determined that said image data

stored in said memory all have a same frame length in said

10 predetermined direction, said staple print more being

provided so that said finisher provides a staple

processing.

10. The image forming apparatus according to claim 7,

wherein said state decision controller determines a frame size of said image data.

11. The image forming apparatus according to claim 10, wherein:

said frame-size decision controller determines whether said image data stored in said memory all have a

5 same frame size; and

said display controller displays a two-side print mode on said display when it is determined that said image data stored in said memory all have a same frame size, said two-side print mode being provided for printing said

10 image data stored in said memory on both sides of a sheet.

12. The image forming apparatus according to claim 10, wherein:

said frame-size decision controller determines whether said image data stored in said memory all have a

5 same size; and

said display controller displays an economy print mode on said display when it is determined that said image data stored in said memory all have a same frame size, said economy print mode being provided for printing said

10 image data of a plurality of frames on a same side of a sheet.

13. An image forming apparatus operable in a plurality of print modes, comprising:

a memory for storing image data of a plurality of frames;

5   a printer for reading said image data stored in said memory for each frame and for printing;

state decision controller for determining a state of said image data stored in said memory;

an operation panel for selecting any of said

10   plurality of print modes; and

a selection prohibiting controller for prohibiting selecting an inoperable print mode of said plurality of print modes through said operation panel according to the state of said image data.

14.   The image processing device according to claim 13, further comprising a finisher for stapling sheets printed by said printer, wherein:

said state decision controller determines whether

5   said image data stored in said memory includes said image data different in frame size from other said image stored in said memory; and

said selection prohibiting controller prohibits selecting a staple print mode through said operation panel

10   when it is determined that said memory includes said image

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data different in frame size from other said image data
stored in said memory, said staple print mode being
provided so that said finisher provides a staple
processing.

15. The image forming apparatus according to claim 13,
wherein:

said state decision controller determines whether
said memory stores said image data different in frame size
5   from other said image data stored in said memory; and

said selection prohibiting controller prohibits
selecting a two-side print mode through said operation
panel when it is determined that said memory stores said
image data different in frame size from other said image
10   data stored in said memory, said two-side print mode being
provided for printing said image data stored in said
memory on both sides of a sheet.

16. The image forming apparatus according to claim 13,
wherein:

said state decision controller determines whether
said image data stored in said memory all have a same
5   frame size; and

said selection prohibiting controller prohibits
selecting an economy print mode through said operation

panel when it is determined that said image data stored in said memory all have a same frame size, said economy print
10   mode being provided for printing said image data of a plurality of frames on one same side of a sheet.

17. An image forming apparatus operable in a plurality of print modes, comprising:

a memory for storing a print job containing image data of no less than one frame;

5   a print-job selector for selecting one of said print jobs stored in said memory;

state decision controller determines a state of said image data contained in said print job selected by said print-job selector;

10   a printer for printing said image data contained in said print job selected by said print-job selector;

a display for displaying an operating state of said image forming apparatus; and

a display controller for displaying on said display
15   an operable print mode of said plurality of print modes according to the state of said image data.

18. The image forming apparatus according to claim 17, wherein said state decision controller determines a length of a frame of said image data in a predetermined direction.

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19. The image forming apparatus according to claim 18,
further comprising a finisher for stapling sheets printed
by said printer, wherein:

said frame-length decision controller determines
5   whether said image data contained in said print job
selected by said print-job selector all have a same frame
length in said determined direction; and

said display controller displays a staple print mode
on said display when it is determined that said image data
10 contained in said print job all have a same frame length
in said predetermined direction, said staple print mode
being provided so that said finisher provides a staple
processing.

20. The image forming apparatus according to claim 17,
wherein said state decision controller determines a frame
size of said image data.

21. The image forming apparatus according to claim 20,
wherein:

said frame-size decision controller determines
whether said image data contained in said print job
5   selected by said print-job selector all have a same frame
size; and

said display controller displays a two-side print

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mode on said display when it is determined that said image

data contained in said print job all have a same size,

10   said two-side print mode being provided for printing said

image data on both sides of a sheet.

    22. The image forming apparatus according to claim 20,

wherein:

    said frame-size decision controller determines

whether said image data contained in said print job

5   selected by said print-job selector all have a same frame

size; and

    said display controller displays on said display an

economy print mode for printing said image data of a

plurality of frames contained in said print job.

    23. An image forming apparatus operable in a

plurality of print modes, comprising:

    a memory for storing a print job containing image

data of no less than one frame;

5   print-job selector for selecting one of said print

jobs stored in said memory;

    state decision controller for determining a state of

said image data contained in said print job selected by

said print-job selector;

10   a printer for printing said image data contained in

said print job selected by said print-job selector;

an operation panel for selecting any of said plurality of print modes; and

a selection prohibiting controller for prohibiting selecting an inoperable print mode of said plurality of print modes through said operation panel according to the state of said image data contained in said print job.

24. The image forming apparatus according to claim 23, further comprising a finisher for stapling sheets printed by said printer, wherein:

said state decision controller determines whether said print job selected by said print-job selector contains said image data different in frame size from other said image data contained in said selected print job; and

said selection prohibiting controller prohibits selecting a staple print mode through said operation panel when it is determined that said print job selected by said print-job selector includes said image data different in frame size from other said image data contained in said selected print job, said staple print mode being provided so that said finisher provides a staple processing.

25. The image forming apparatus according to claim 23, wherein:

said state decision controller determines whether
said print job selected by said print-selector includes
5   said image data different in frame size from other said
image data contained in said selected print job; and
said selection prohibiting controller prohibits
selecting a two-side print mode through said operation
panel when it is determined that said print job selected
10   by said print-job selector includes said image data
different in frame size from other said image data
contained in said selected print job, said two-side print
mode being provided for printing said image data on both
sides of a sheet.

26.   The image forming apparatus according to claim 23,
wherein:
said state decision controller determines whether
said image data contained in said print job selected by
5   said print-job selector all have a same frame size; and
said selection prohibiting controller prohibits
selecting an economy print mode through said operation
panel when it is determined that said image data contained
in said print job selected by said print-job selector all
10   have a same frame size, said economy print mode being
provided for printing said image data of a plurality of
frames on same one side of a sheet.

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